ANNALES CHIRURGIAE ET GYNAECOLOGIAE

EDITORIAL BOARD:

Editor-in-Chief: M. I. Turunen (Helsinki)

Editors: S. Aune (Oslo)
K. J. Bjøro (Oslo)
I. Joelsson (Stockholm)
N. G. Kock (Göteborg)
S. Timonen (Helsinki)

Assistant Editors: O. Karjalainen (Helsinki)
M. Lempinen (Helsinki)

Managing Editor: A. Palmu (Helsinki)

ADVISORY BOARD:

Allgöwer M. (Switzerland)
Baden H. (Denmark)
Bergsjø P. (Norway)
Bengmark S. (Sweden)
Björk V. O. (Sweden)
Borell U. (Sweden)
Castrén O. (Finland)
Caves P. K. (Great Britain)
Chamberlain G. (Great Britain)
Douglas C. P. (Great Britain)
Eiseman B. (USA)
Grassi G. (Italy)
Grotte G. (Sweden)
Gruenagel H. H. (West Germany)
Hall K. V. (Norway)
Hollender L. F. (France)
Ingelman-Sundberg A. (Sweden)
Järvinen P. A. (Finland)
Kestens P. J. (Belgium)
Kettunen K. (Finland)
Kolstad P. (Norway)
Krause U. (Sweden)
Kullander S. (Sweden)
Kyank H. (East Germany)
Langenskiöld A. (Finland)
Larmi T. K. I. (Finland)
Louhimo I. (Finland)
Lund F. (Denmark)
Merz W. R. (Switzerland)
Nillius S. J. (Sweden)
Nylander G. (Sweden)
Olerud S. (Sweden)
Oravisto K. J. (Finland)
Osler M. (Denmark)
Rauramo L. (Finland)
Rokkanen P. (Finland)
Scheinin T. (Finland)
Schumacker H. B. (USA)
Semb L. S. (Norway)
Silen W. (USA)
Stakemann G. (Denmark)
Stamm-Scholer H. (Switzerland)
Sundell B. (Finland)
Tala P. (Finland)
Tammisto T. (Finland)
Thorén L. (Sweden)
Troupp H. (Finland)
Vang J. (Sweden)
Vapaavuori M. (Finland)
Welbourn R. B. (Great Britain)
Westbroek D. L. (The Netherlands)
Widholm O. (Finland)
Viikari S. (Finland)
Zander J. (West Germany)
Zederfeldt B. (Sweden)

PUBLISHER: THE FINNISH MEDICAL SOCIETY DUODECIM
HELSINKI 1976

INDEX

FASC. 1

M. I. Turunen (Helsinki)
EDITORIAL 1

K. Kyösola and G. Fock (Helsinki)
THE AETIOLOGY OF ACUTE PANCREATITIS 3

K. Kyösola and G. Fock (Helsinki)
COMPLICATIONS IN ACUTE PANCREATITIS 7

A. Sivula (Helsinki)
DIAGNOSTIC ASPECTS IN 117 PATIENTS TREATED SURGICALLY FOR THYROID CARCINOMA 13

J. F. W. Haffner, J. Eng, T. Løtveit and S. Aune (Oslo)
PERITONEAL LAVAGE WITH DOXYCYCLINE IN ACUTE DIFFUSE PERITONITIS 22

O. Almersjö, B. Gustavsson and L. Hafström (Göteborg)
RESULTS OF REGIONAL PORTAL INFUSION OF 5-FLUOROURACIL IN PATIENTS WITH PRIMARY AND SECONDARY LIVER CANCER 27

R. E. M. Mokka, M. I. Kairaluoma, R. Huttunen and T. K. I. Larmi (Oulu)
RETROPERITONEAL INJURIES OF THE DUODENUM CAUSED BY BLUNT ABDOMINAL TRAUMA 33

I. S. Salonen and E. Mäkinen (Turku)
INTESTINAL BLIND POUCH- AND BLIND LOOP-SYNDROME IN CHILDREN OPERATED PREVIOUSLY FOR CONGENITAL DUODENAL OBSTRUCTION 38

A. Sivula and M. Lempinen (Helsinki)
A BENIGN HEPATOCELLULAR ADENOMA TREATED BY EXTENDED RIGHT LOBECTOMY 46

P. Järvinen, U. Aromaa and K. Asp (Helsinki)
SHORT-STAY VARICOSE VEIN SURGERY 52

T. Visuri, P. Antila and L. E. Laurent (Helsinki)

A COMPARISON OF DICLOXACILLIN AND AMPICILLIN IN THE ANTIBIOTIC PROPHYLAXIS OF TOTAL HIP REPLACEMENT 58

R. Punnonen, M. Grönroos, L. Rauramo, A. Voutilainen, A. J. Aho and P. Hartikainen (Turku)

COMPLICATIONS FOLLOWING RADIOTHERAPY IN GYNAECOLOGICAL CARCINOMA. Comparison between x-ray and megavoltage therapy 62

A. C. Mehta, D. A. Edelman and G. S. Berger (Bombay and Chapel Hill, North Carolina)

AMNIOTIC FLUID REMOVAL PRIOR TO SALINE ABORTION 68

FASC. 2

P. Tala (Helsinki)

EDITORIAL 73

V. O. Björk (Stockholm)

EXPERIENCE WITH SURGERY OF THE HEART VALVES 75

K. G. Davidson, J. Wallwork and P. K. Caves (Edinburgh)

SURGICAL MANAGEMENT OF VENTRICULAR SEPTAL DEFECT COMPLICATING MYOCARDIAL INFARCTION 82

K. V. Hall and P. Alstrup (Oslo)

THE PROGNOSTIC FACTORS OF ARTERIALIZED BYPASS VEINS IN THE LOWER EXTREMITIES 93

W. Hügel, L. Brunner und W. Klinner (München)

ERFAHRUNGEN UND PROBLEME BEI PROTHETISCHEM AORTENKLAPPENERSATZ IM VERLAUF VON 14 JAHREN 96

M. V. Inberg, M. Arola, M. Arstila, T. Havia, V. Laaksonen, K. Satokari, U. Wegelius and E. Vänttinen (Turku)

EXPERIENCES WITH THE BJÖRK-SHILLEY TILTING DISC VALVE IN AORTIC AND MITRAL VALVE SURGERY 104

T. K. I. Larmi, P. Kärkölä, M. I. Kairaluoma and J. Takkunen (Oulu)

FOUR YEARS' EXPERIENCE OF VALVE REPLACEMENT WITH THE BJÖRK-SHILLEY TILTING-DISC PROSTHESIS 110

T. K. I. Larmi, P. Kärkölä and M. I. Kairaluoma (Oulu)

ANEURYSM OF THE SINUS OF VALSALVA 117

S. Nitter-Hauge, T. Frøysaker and K. V. Hall (Oslo)

REEMPLOYMENT RELATED TO FUNCTIONAL AND HAEMODYNAMIC CHANGES AFTER AORTIC OR MITRAL VALVE REPLACEMENT 124

P. Kärkölä, M. I. Kairaluoma and T. K. I. Larmi (Oulu)

CLOSED MITRAL VALVULOTOMY 132

E. Merikallio (Helsinki)

HAEMODILUTION IN CARDIOPULMONARY BYPASS USING A GELATINE DERIVATIVE FOR PRIMING 138

S. Mattila (Helsinki)

RUPTURE AND SUCCESSFUL REPAIR OF THE HEART FOLLOWING BLUNT CHEST INJURY 145

P. Ketonen, P.-T. Harjola, R. Luosto and P. Tala (Helsinki)

OPERATIVE TREATMENT OF CAROTID ARTERY OCCLUSION .. 148

R. Luosto, P.-T. Harjola, P. Ketonen and P. Tala (Helsinki)

OPERATIVE TREATMENT OF ATHEROSCLEROTIC LESIONS IN INNOMINATE, SUBCLAVIAN AND VERTEBRAL ARTERIES 153

E. Keskitalo, K. Koikkalainen, H. Meurala and L. Teppo (Helsinki)

ACUTE COELIAC ARTERY OCCLUSION: INITIAL COLLATERAL BLOOD FLOW FROM THE SUPERIOR MESENTERIC ARTERY .. 158

FASC. 3

M. I. Kairaluoma, P. Kärkölä and T. K. I. Larmi (Oulu)

SURGICAL TREATMENT OF ARTERIAL EMBOLISM 163

A. Sivula and P. Sipponen (Helsinki)

THE EFFECT OF HEPATIC DEARTERIALIZATION AND REDEARTERIALIZATION ON CARCINOID LIVER METASTASES 168

R. Honkanen (Helsinki)

THE EFFECT OF TIME FACTORS ON BLOOD ALCOHOL LEVELS IN ACCIDENT VICTIMS 176

R. E. M. Mokka, S. Laitinen, M. I. Kairaluoma, R. Huttunen and T. K. I. Larmi (Oulu)

SELECTIVE PROXIMAL VAGOTOMY 181

S. Genell (Malmö)

INTUSSUSCEPTION OF THE APPENDIX CAUSED BY AN ADENOVILLOUS PAPILLOMA 187

L. Nuutinen and A. Hollmén (Oulu)

CARDIOPULMONARY BYPASS TIME AND RENAL FUNCTION 191

L. S. Nuutinen (Oulu)

THE EFFECT OF NITROUS OXIDE ON RENAL FUNCTION IN OPEN HEART SURGERY 200

M. Tuominen (Helsinki)

COMPARISON OF ANILERIDINE AND PETHIDINE IN PATIENTS WITH PAIN FOLLOWING UPPER ABDOMINAL SURGERY 207

R. Punnonen and L. Rauramo (Turku)

EFFECT OF CASTRATION AND LONG-TERM ORAL OESTROGEN THERAPY WITH OESTRIOL SUCCINATE ON SERUM LIPIDS 216

B. Börjesson and I. Idvall (Lund)

THE MICROSCOPICAL APPEARANCE OF THE SUBCUTANEOUSLY TRANSPOSED SPLEEN 220

FASC. 4

S. Kullander (Malmö)

EFFECT OF 2 Br-ALPHA-ERGOCRYPTIN (CB 154) ON SERUM PROLACTIN AND THE CLINICAL PICTURE IN A CASE OF PROGRESSIVE GIGANTOMASTIA IN PREGNANCY 227

T. Nordshus and T. Løtveit (Oslo)

MULTIPLE MESENTERIC CYSTS DIAGNOSED BY ULTRASOUND 234

A. Kauste (Helsinki)

A STUDY OF CUMULATIVE EFFECTS AND RECOVERY FROM ANAESTHESIA WITH INTERMITTENT DOSES OF ALTHESIN .. 239

E. Normann, K. Rootwelt, D. Solheim and G. Sødal (Oslo)

USE OF ^{131}I-TOLUIDINE BLUE IN RADIONUCLIDE IMAGING OF ENLARGED PARATHYROID GLANDS 249

S. Tuononen, M. I. Kairaluoma, E. Heikkinen and T. K. I. Larmi (Oulu)

SPIGELIAN HERNIA 253

L. Nuutinen and A. Hollmén (Oulu)

THE EFFECT OF PROPHYLACTIC USE OF FUROSEMIDE ON RENAL FUNCTION DURING OPEN HEART SURGERY 258

P. Kärkölä, M. I. Kairaluoma and T. K. I. Larmi (Oulu)

SURGICAL CONSIDERATIONS IN TRACHEAL RESECTION FOR TRACHEAL STENOSIS 267

L. S. Nuutinen and S. Tuononen (Oulu)

THE EFFECT OF FUROSEMIDE ON RENAL BLOOD FLOW AND RENAL TISSUE OXYGEN TENSION IN DOGS 272

L. S. Nuutinen (Oulu)

THE EFFECT OF FUROSEMIDE ON POTASSIUM BALANCE IN OPEN HEART SURGERY 277

R. Honkanen and J. Ottelin (Helsinki)

BLOOD ALCOHOL LEVELS IN INJURY VICTIMS AT THE EMERGENCY STATION OF A RURAL CENTRAL HOSPITAL 282

R. Honkanen and T. Visuri (Helsinki)

BLOOD ALCOHOL LEVELS IN A SERIES OF INJURED PATIENTS WITH SPECIAL REFERENCE TO ACCIDENT AND TYPE OF INJURY 287

I. Kivalo and P. Rosenberg (Helsinki)

THE ANTIEMETIC EFFECT OF DIXYRAZINE IN POSTOPERATIVE PATIENTS — A DOUBLE BLIND STUDY 295

FASC. 5

SPECIAL ISSUE ON PLASTIC AND RECONSTRUCTIVE SURGERY

B. Sundell (Helsinki)

SPECIAL ISSUE ON PLASTIC AND RECONSTRUCTIVE SURGERY. FOREWORD 301

A. E. Rintala and A. I. Soivio (Helsinki)

DEVELOPMENT OF PLASTIC SURGERY IN FINLAND 302

S. Alhopuro, A. Rintala, H. Salo and V. Ritsilä (Helsinki)

TISSUE ADHESIVE VS SUTURES IN CLOSURE OF INCISION WOUNDS. A COMPARATIVE STUDY IN HUMAN SKIN 308

P. Paavolainen and B. Sundell (Helsinki)

THE EFFECT OF DEXTRANOMER (DEBRISAN®) ON HAND BURNS 313

J. Raekallio, L. Nieminen and M. Möttönen (Turku)

A COMPARATIVE STUDY OF THREE SPRAYED DRESSINGS IN HEALING SKIN WOUNDS 318

S. Alhopuro, B. Sundell and V. Ritsilä (Helsinki)

LATE COMPLICATIONS OF SCALDING IN CHILDREN: TREATMENT AND PREVENTION 323

T. Waris and K. Reijonen (Helsinki)

COMBINED TRYPAN BLUE AND FORMALDEHYDE-INDUCED FLUORESCENCE IN EXPERIMENTAL SKIN FREEZING IN THE RAT 328

B. Sundell and R. Takolander (Helsinki)

REPAIR OF SKIN AND SOFT TISSUE LOSS OF THE LOWER LEG WITH CROSS-LEG FLAPS 332

V. Ritsilä and R. Kivilaakso (Helsinki)

MODIFICATION OF KRUKENBERG'S KINEPLASTIC OPERATION 338

V. Ritsilä, S. Alhopuro and A. Rintala (Helsinki)

BONE FORMATION WITH FREE PERIOSTEAL GRAFTS IN RECONSTRUCTION OF CONGENITAL MAXILLARY CLEFTS 342

P. Paavolainen and K.-M. Niemi (Helsinki)

PLASTIC SURGERY FOR BASAL CELL CARCINOMA 345

A. Lahti (Helsinki)

A RHOMBOID NOSE-SIDE FLAP IN NASAL SKIN DEFECTS 352

A. Rintala (Helsinki)

ULCERATING PARAFFINOMA 356

FASC. 6

A. Hakkiluoto (Helsinki)

LONG-TERM FOLLWO-UP STUDY OF PATIENTS OPERATED ON FOR BENIGN PEPTIC ULCER 361

R. E. M. Mokka, S. Laitinen, L. Punto, M. I. Kairaluoma, R. Pokela, P. Kärkölä, R. Huttunen and T. K. I. Larmi (Oulu)

HIATAL HERNIA REPAIR 369

G. Lahnborg, L. Berghem, H. Lagergren and B. Schildt (Stockholm and Linköping)

EFFECT OF LOW-DOSE HEPARIN ON THE PHAGOCYTIC AND CATABOLIC FUNCTION OF THE RETICULO-ENDOTHELIAL SYSTEM IN MAN DURING SURGERY 376

M. Kormano, W. W. Schrank and M. Swirsky (Rochester, N. Y.)

LYMPHATIC FILLING DURING KNEE ARTHROGRAPHY 382

E. Tourunen, P. Holma and T. Pyörälä (Jyväskylä)

HEAMODYNAMIC EFFECTS PRODUCED BY INSUFFLATION OF CARBON DIOXIDE IN TO THE ABDOMINAL CAVITY DURING LAPAROSCOPY 385

M. I. Kairaluoma, P. Kärkölä and T. K. I. Larmi (Oulu)

CYSTIC ADVENTITIAL DISEASE — CAUSE OF INTERMITTENT CLAUDICATION IN MALE NON-SMOKERS 388

A. Hollmèn, P. Karvonen and R. Pihlajaniemi (Oulu)

COMPARISON OF THIOPENTONE VERSUS ALTHESIN FOR CAESAREAN SECTION 392

R. Jouppila (Oulu)

THE EFFECT OF SEGMENTAL EPIDURAL ANALGESIA ON MATERNAL GROWTH HORMONE, INSULIN, GLUCOSE AND FREE FATTY ACIDS DURING LABOUR 398

L. Svanberg and B. Åstedt (Malmö)

RELEASE OF FIBRINOLYTIC ACTIVATORS FROM HUMAN OVARIAN TUMOURS IN ORGAN CULTURE 405

K. J. Tveter and W. Mathisen (Oslo)

URETERO-VAGINAL FISTULA 408

AUTHOR INDEX

Aho AJ 62
Alhopuro S 308, 323, 342
Almersjö O 27
Alstrup P 93
Antila P 58
Arola M 104
Aromaa U 52
Arstila M 104
Asp K 52
Aune S 22
Berger GS 68
Berghem L 376
Björk VO 75
Brunner L 96
Börjesson B 220
Caves PK 82
Davidson KG 82
Edelman DA 68
Eng J 22
Fock G 3, 7
Frøysaker T 124
Genell S 187
Grönroos M 62
Gustavsson B 27
Haffner JFW 22
Hafström L 27
Hakkiluoto A 361
Hall KV 93, 124
Harjola PT 148, 153
Hartikainen P 62
Havia T 104
Heikkinen E 253
Holma P 385
Hollmén A 191, 258, 392
Honkanen R 176, 282, 287
Huttunen R 33, 181, 369
Hügel W 96
Idvall I 220
Inberg MV 104
Jouppila R 398
Järvinen P 52
Kairaluoma MI 33, 110, 117, 132, 163, 181, 253, 267, 388 369
Karvonen P 392
Kauste A 239
Keskitalo E 158
Ketonen P 148, 153
Kivalo I 295
Kivilaakso R 338
Klinner W 96
Koikkalainen K 158
Kormano M 382
Kullander S 227
Kyösola K 3, 7
Kärkölä P 110, 117, 132, 163, 267, 369, 388
Laaksonen V 104
Lagergren H 376
Lahti A 352
Lahnborg G 376
Laitinen S 181, 369
Larmi TKI 33, 110, 117, 132, 163, 181, 253, 267, 369, 388
Laurent LE 58
Lempinen M 46
Løtveit T 22, 234
Luosto R 148, 153
Mathisen W 408
Mattila S 145
Mehta AC 68
Merikallio E 138
Meurala H 158
Mokka REM 33, 181, 369
Mäkinen E 38
Möttönen M 318
Niemi KM 345
Nieminen L 318
Nitter-Hauge S 124
Nordshus T 234
Normann E 249
Nuutinen LS 191, 200, 258, 272, 277
Ottelin J 282
Paavolainen P 313, 345
Pihlajaniemi R 392
Pokela R 369
Punnonen R 62, 216
Punto L 369
Pyörälä T 385
Raekallio J 318
Rauramo L 62, 216
Reijonen K 328
Rintala AE 302, 308, 342, 356
Ritsilä V 308, 323, 338, 342
Rootwelt K 249
Rosenberg P 295
Salo H 308
Salonen IS 38
Satokari K 104
Schildt B 376
Schrank WW 382
Sipponen P 168
Sivula A 13, 46, 168
Sødal G 249
Soivio AI 302
Solheim D 249
Sundell B 301, 313, 323, 332
Svanberg L 405
Swirsky M 382
Takkunen J 110
Takolander R 332
Tala P 73, 148, 153
Teppo L 158
Tourunen E 385
Tuominen M 207
Turunen MI 1
Tuononen S 253, 272
Tveter KJ 408
Visuri T 58, 287
Voutilainen A 62
Vänttinen E 104
Wallwork J 82
Waris T 328
Wegelius U 104
Åstedt B 405